Utah							
FACILITY_ID	FACILITY_NAME	UNIT_NAME	UNITs	UNIT_DETAIL_SEQ	legal status	operating status	EFFECTIVE_DATE
UTD009089277	DYNO NOBEL INC.	OBOD	1	3	IT	CC	20020208
UTD009438359	VARIAN MEDICAL SYSTEMS X-RAY PRODUCTS	BURNPIT	1	1	IT	CC	19880211
UTD041310962	THE ENSIGN-BICKFORD COMPANY	BURNPITS	1	3	IT	CC	20060929
UTD041310962	THE ENSIGN-BICKFORD COMPANY	EBA	11	3	IT	CC	20060929
UTD041310962	THE ENSIGN-BICKFORD COMPANY	SWMU 15	13	2	NN	CC	20100401
UTD041310962	THE ENSIGN-BICKFORD COMPANY	SWMU 42	16	2	NN	CC	20100401
UTD070020110	ALLIANT TEKOI	BURN PIT	1	2	LI	CC	19960921
UTD070546445	DYNO NOBEL SITE A (IRECO)	BURNPIT	1	1	IT	CC	19871030

Clean Closed (CC) Facilities' questions:

1. Did these sites complete clean closure or are they still in the process of seeking to clean close?
2. Did the state officially certify/approve the unit(s) Clean Closed (CC)?
3. What was the volume of waste disposed, frequency (e.g., daily, weekly, monthly, periodically), and years of operation?
4. Was it OB or OD or both?
5. What sampling procedures were used to identify the extent of the contamination, including kick-out and fallout (e.g., geophysical techniques used to identify buried munitions and fragments; trenching; grid, spokes, meandering way, visual, or random sampling of soil/for kick-out; depth; until no more found; and ground water monitoring)?
6. Were components of the unit removed (e.g., any platforms, pans, pads, and liners)?
7. What clean-up procedures and techniques were used to clean up the contaminants (e.g., excavation, soil sifting)?
8. What data was recorded and metrics used to evaluate the extent and levels of contamination?
9. What criteria was used to certify clean closure (e.g., EPA action levels)?
10. What was the total cost to achieve Clean Closed (CC) status?

Dyno Nobel Site B

1. Clean closure achieved February 8, 2002.
2. State certified the burn pit closed.
3. Use of the Open Burn Unit began in August of 1993 and was discontinued in approximately June of 2000. Frequency of treatment was weekly to monthly. Maximum quantity of waste burned per treatment event was 5,000 lbs. Actual quantity treated at the unit is unknown
4. Only open burning.
5. The area within a 100 foot radius surrounding the burn unit was visually inspected for kickout waste. Soil samples were collected from grids surrounding the burn unit to a distance of 20 feet. Additional samples were to be collected out to a distance of 60 feet if contamination was detected in the 20 foot zone.
6. No.
7. Excavation.
8. Soil sampling data.
9. EPA Region IX Preliminary Remediation Goals (PRGs).
10. Estimated cost for closure was $14,000. Actual total cost is unknown

Varian Medical Systems – Burn Pit

1. Clean closure achieved February 11, 1998.
2. State certified the burn pit closed.
3. Would need to do research in our archives to determine years of use. Doubt frequency and volume could be determined (RCRAInfo specifies 50 gallons a day). Appears the unit was in operation prior to RCRA.
4. Only open burning.
5. Would need to do research in our archives to determine procedures
6. Unknown.
7. Unknown.
8. Unknown.
9. Pre State Risk-Based Closure Rule so I assume the unit was closed to background.
10. Cost is unknown.

The Ensign Bickford Company - Burn Pits

1. Clean closure achieved September 29, 2006.
2. State certified the burn pit closed.
3. Use of the Open Burn Unit began in 1965 and was discontinued in approximately (need date). Treatment occurred once a week with a maximum quantity of 1350 pounds. Annual volume treated is estimated at 70,000 pounds.
4. Only open burning.
5. Soil sampling via a grid.
6. Yes, metal burn pan was removed as well as concrete storage pad.
7. Excavation and on-site treatment via mobile incinerator. Other soils were shipped off-site.

8. Soil sampling data.
9. EPA Region IX Preliminary Remediation Goals (PRGs).
10. Actual total cost is unknown.

The Ensign Bickford Company – Explosive Burn Area

1. Clean closure achieved September 29, 2006.
2. State certified the EBA closed.
3. Use of the EBA began in (need date) and was discontinued in approximately (need date). Actual quantity treated at the unit is unknown
4. Only open burning.
5. Soil sampling via a grid.
6. Open burning on the ground surface so nothing to remove.
7. Excavation and on-site treatment via mobile incinerator. Other soils were shipped off-site.
8. Soil sampling data.
9. EPA Region IX Preliminary Remediation Goals (PRGs).
10. Actual total cost is unknown.

The Ensign Bickford Company – SWMU 15 – Inactive Thermal Treatment Area (ITTA)

1. Closure of this site was addressed under the RCRA Corrective Action Program. A CA999, Remedy Complete, No Further Action Designation was achieved on April 21, 2010.
2. State issued the NFA designation.
3. Use of the ITTA began in 1976 and ceased on 1987.
4. Only open burning.
5. Soil sampling via a grid.
6. Open burning on the ground surface so nothing to remove.
7. Excavation and on-site treatment via mobile incinerator. Other soils were shipped off-site.
8. Soil sampling data.
9. EPA Region IX Preliminary Remediation Goals (PRGs).
10. Actual total cost is unknown.

The Ensign Bickford Company – SWMU 42 – RDX Accumulation Tanks (RATs)

1. Closure of this site was addressed under the RCRA Corrective Action Program. A CA999, Remedy Complete, was achieved on April 21, 2010. This should be a CA900CR. Unit was closed under the State Risk-Based Closure Rule and is subject to a site management plan.
2. State issued the remedy complete designation.
3. Use of the RATs began in the 1960's and was discontinued in approximately 1987. Frequency of use and volume of wastes treated is unknown.
4. After evaporation of water and acetone, energetic sludges removed were from the RATs were sent to the EBA for open burning.

5. Soil sampling via a grid
6. Wooden tanks were open burned in 1988.
7. Excavation and on-site treatment via mobile incinerator. Other soils were shipped off-site.
8. Soil sampling data.
9. EPA Region IX Preliminary Remediation Goals (PRGs)
10. Actual total cost is unknown.

Alliant Tekoi – Burn Pit

(My understanding is this unit is on Tribal Land and oversight has been addressed by USEPA.)

1. Clean closure achieved September 21, 1996.
2. EPA?
3. Unknown.
4. Unknown.
5. Unknown.
6. Unknown.
7. Unknown.
8. Unknown.
9. Unknown.
10. Unknown.

Dyno Nobel Site A – Burn Pit

1. Clean closure achieved July 10, 1989.
2. State certified the Burn Pit closed.
3. Need to go to archives to get details.
4. Only open burning.
5. Sampling with a grid.
6. Nothing to remove. Burning on the ground.
7. Excavation and off-site removal.
8. Soil sampling data.
9. Removal to background. Pre-dates Risk-Based Closure Rule.
10. Unknown.